

Voltage Indicators

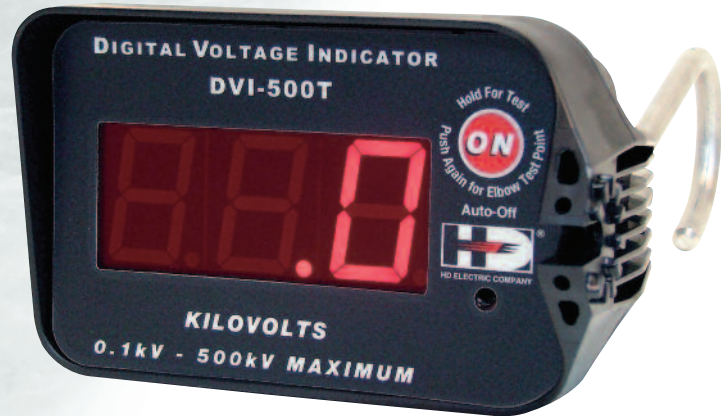
DVI-500 DIGITAL VOLTAGE INDICATORS

The DVI-500 is designed to be used on both transmission and distribution systems in both overhead and underground applications. The DVI-500 indicates voltage from 0.1kV – 9.9kV and from 10kV - 500kV with no range selector switch or settings required. Voltage is displayed on a large 1.45" LED display with a 3-digit readout. In addition, an audible alarm alerts the user to the presence of voltage above 100VAC. DVI are auto shut-off and will turn off after 4 minutes of inactivity.

DVI has a built-in self test, activated by pressing and holding the ON button. For a test using an external voltage source, the PT-DVI Voltage Indicator Tester should be used before and after each test to verify proper operation.

Two overhead probes are supplied with the DVI-500 - a large 6" overhead hook probe for transmission system use (HP-DVI-6) and a smaller 2" overhead hook probe for distribution system use (HP-DVI-2). Simply attach the correct probe for the proper overhead application. Use of an appropriate length hotstick is required for all overhead and underground applications.

The use of an underground probe (IEP-DVI-5) is required for underground or pad mount applications as well as any applications up to 21kV line-to-ground where the DVI will be used in close proximity to grounded conductors or surfaces. The DVI-500T can be used in underground applications to measure elbow test points using the underground probe. To switch the DVI-500T to Test Point Mode, simply press the ON button again and a flashing decimal appears in the lower right corner of the display. Use of an appropriate length hotstick is required for all overhead and underground applications.



DVI-500T
Measuring
Elbow
Test Point

FEATURES

- For use on system voltages up to 800kV (reads up to 500kV line-to-ground)
- No range selector switch or settings required
- Large LED display indicates the line-to-ground voltage level
- Display is easy to read in bright or dark conditions
- Voltage readout allows the user to distinguish between nominal and induced voltages
- Audible indication when voltage is detected
- Measure elbow test points with the DVI-500T
- Built-in universal spline for standard hotstick attachment
- Built-in self test to verify proper operation
- Auto shutoff with low battery function
- Powered by a field replaceable 9V lithium or alkaline battery
- Compact, rugged and lightweight polycarbonate housing
- Kits are available, contact factory for details



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ACCESSORIES

- Underground Bushing Probe - IEP-DVI-5
- Voltage Indicator Tester - PT-DVI
- Adapter for Shotgun Stick - HSA-2500
- Carrying Bag - B-30
- Carrying Case - CS-DVI-5
- Small Overhead Hook Probe, 2" dia. opening - HP-DVI-2
- Large Overhead Hook Probe, 6" dia. opening - HP-DVI-6
- See Ordering Information chart below for additional accessories



PT-DVI Accessory



B-30 Accessory



DVI-500 Kit



IEP-DVI-5 Accessory - Required for Underground Applications

ORDERING INFORMATION

DVI-500	Indicates Voltage up to 500 kV, Includes (1) HP-DVI-2, (1) HP-DVI-6 and CS-DVI-5 Case
DVI-500T/K01	Indicates Voltage up to 500 kV with Capacitive Test Point Mode, Kit Includes DVI-500T, (1) HP-DVI-2, (1) HP-DVI-6, (1) IEP-DVI-5 and CS-DVI-5 Case
DVI-500T/K02	Kit Includes DVI-500T, (1) HP-DVI-2, (1) HP-DVI-6, (1) IEP-DVI-5, (1) PT-DVI & CS-DVI-5 Case
DVI-500/K01	Kit Includes DVI-500, (1) HP-DVI-2, (1) HP-DVI-6, (1) IEP-DVI-5 and CS-DVI-5 Case
DVI-500/K02	Kit Includes DVI-500, (1) HP-DVI-2, (1) HP-DVI-6, (1) IEP-DVI-5, (1) PT-DVI & CS-DVI-5 Case
PT-DVI	Proof Tester for Digital Voltage Indicators
HP-DVI-2	Overhead hook probe, 2" diameter opening
HP-DVI-6	Overhead hook probe for DVI-500, 6" diameter opening
IEP-DVI-5	Underground bushing probe, 15, 25 and 35 kV class
IEP-DVI-EXT-5	Underground probe allows for direct contact with bare conductors
IEP-200TC-5	Probe adapter allows either the ASP-15/25 elbow bushing probe or GCP-4 adapter tip to be installed on the DVI
ASP-15/25	15/25kV class isolated elbow bushing probe (used with IEP-200TC-5) to allow the DVI to be used to indicate voltage on elbow bushings
GCP-4	Probe adapter tip (used with IEP-200TC-5) to allow the DVI to be used to indicate voltage on distribution equipment
CS-DVI-5	Rugged Plastic Case for DVI-500
B-30	Carrying Bag with Fluorescent/Reflective Safety Stripes and Carrying Strap
HSA-2500	Universal Hotstick Adapter (Shotgun)
S-4H	4' Fixed Length Fiberglass Hotstick
S-6H	6' Fixed Length Fiberglass Hotstick

- All DVI require the use of a hotstick.
- Other kits and telescoping hotsticks are available, contact HDE for details.

All sales are subject to the terms and conditions of the Limitation of Warranty and Liability set forth in the product Instruction Manual and at www.HDElectricCompany.com. Users must read and agree to the Limitation terms, as stated, before using the product. HD Electric Company is committed to ongoing review and improvement of its product lines, and thus reserves the right to modify product design and specifications without notice. HD Electric Company® products are available through HDE® sales representatives worldwide. Printed in U.S.A. © HD Electric Company 2015 • Bulletin No. DVI5-200c

DVI-500 SPECIFICATIONS

Model Numbers: DVI-500 or DVI-500T

Operating Voltage Range:

0-500kV line-to-ground
(0.1kV – 9.9kV and 10kV to 500kV)

Operating Frequency: 60Hz (50Hz available)

Operating Temperature Range:

-40°F to + 120°F (-40°C to +49°C)

Dimensions:

Housing: 4.25"H x 7"W x 4.5"D
(11cm x 18cm x 11cm)

Overhead Probes: HP-DVI-2: 8" long (20cm)
HP-DVI-6: 12" long (30 cm)

Weight: 1.37 lb. with small overhead probe (0.62 kg)

LED Height: 1.45" (3.7 cm)

Accuracy: Typical overhead line accuracy in compact overhead three phase configuration +/- 10%, other applications up to +/-25%

Power Supply:

Field replaceable 9-volt lithium or alkaline battery

Battery Life: About 100 readings with 9V alkaline battery